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Abstract of the Disclosure

### UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. FIS920010077US1

Total Pages in this Submission

#### TO THE ASSISTANT COMMISSIONER FOR PATENTS

**Box Patent Application** Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

GATE LINEWIDTH TAILORING AND CRITICAL DIMENSION CONTROL FOR SUB-100 NM DEVICES USING PLASMA ETCHING Assignee Name: International Business Machines Corporation Assignee Residence: Armonk, New York and invented by: Jeffrey J. Brown, Sadanand Vinayak Deshpande, David V. Horak, Maheswaran Surendra, Len Y. Tsou, Qingyun Yang, Chienfan Yu and Ying Zhang 镰 a CONTINUATION APPLICATION, check appropriate box and supply the requisite information: ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: Continuation Which is a: 🗓 C ntinuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: Which is a: Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: Enclosed are: **Application Elements** 1. Filing fee as calculated and transmitted as described below pages and including the following: 2. Specification having 18 Descriptive Title of the Invention Cross References to Related Applications (if applicable) b. 🔯 Statement Regarding Federally-sponsored Research/Development (if applicable) c. 🔲 Reference to Microfiche Appendix (if applicable) d. 🔲 e. 🔯 Background of the Invention f. 🛛 Brief Summary of the Invention g. 🛛 Brief Description of the Drawings (if drawings filed) h. 🔯 **Detailed Description** i. 🔯 Claim(s) as Classified Below

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(Only for new nonprovisional applications under 37 CFR 1.53(b))

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Total Pages in this Submission

•	Applicati n Elements (Continued)									
3.	3. <b></b>			essary as prescribed by 35 USC 113)						
	a.	a. 🛛	Formal	Number of Sheets 1						
	b.	). 🔲	Informal	Number of Sheets						
4.	. 🛚	Oaf	ath or Declaration							
	a.	. 🛚	Newly executed (or	riginal or copy)   Unexecuted						
	b.			application (37 CFR 1.63(d)) (for continuation/divisional application only)						
		c. M With Power of Attorney								
	d.	. 🗖	DELETION OF INV. Signed statement at see 37 C.F.R. 1.63(	attached deleting inventor(s) named in the prior application						
		Box	e entire disclosure of t	nce (usable if Box 4b is checked) the prior application, from which a copy of the oath or declaration is supplied under as being part of the disclosure of the accompanying application and is hereby the therein.						
		Corr	mputer Program in Mi	crofiche (Appendix)						
<b>17</b> .		Nuc	leotide and/or Amino	o Acid Sequence Submission (if applicable, all must be included)						
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	b.		Computer Readable	e Copy (identical to computer copy)						
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				Accompanying Application Parts						
8.	×	Assiç	gnment Papers (cove	er sheet & document(s))						
9.	<b>3</b>	37 C	FR 3.73(B) Statemer	ent (when there is an assignee)						
10.		Engli	lish Translation Docur	ment (if applicable)						
11.		Inforr	rmation Disclosure Sta	tatement/PTO-1449						
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# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. FIS920010077US1

Total Pages in this Submission

Accompanying Application Parts (Continued)
Certified Copy of Priority Document(s) (if foreign priority is claimed)
Additional Enclosures (please identify below):
Request That Application Not Bo Bublished Days
Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)  Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
Warning
An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

### UTILITY PATENT APPLICATION TRANSMITTAL (Larg Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. FIS920010077US1

Total Pages in this Submission

#### **Fee Calculation and Transmittal**

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For	#Filed	#Allowed	#Extra		Rate	Fee
T tal Claims	16	- 20 =	.0	x	\$18.00	\$0.00
Indep. Claims	4	- 3 =	1	×	\$80.00	\$80.00
\U Multiple Dependent	Claims (check	if applicable)				\$0.00
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OTHER FEE (spec	ify purpose)					\$0.00
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Ira D. Blecker Registration No. 29,894

IBM Corporation 2070 Rt. 52 Hopewell Junction, NY 12533

(845) 894-2580

CERTIFICATE OF MApplicant(s): Jeffrey J. B	MAILING BY "EXPRESS	MAIL" (37 CFR 1.10)		Docket No.
T			<u> </u>	FIS920010077US1
Serial No.	Filing Date	Examiner		Group Art Unit
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is being deposited with	the United States Postal Sen	vice "Express Mail Post Office	to Add	ressee" service under
37 CFR 1.10 in an env	velope addressed to: The Cor	nmissioner of Patents and Tra	ademar	ks, Washington, D.C.
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